

ECS Configuration Change Request

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Page(s)

1. Originator C.Kenney	2. Log Date: 10/16/01	3. CCR #: 01-0814	4. Rev: -	5. Tel: 301-883-4177	6. Rm #: 3204D	7. Dept. 31531
8. CCR Title: PATCH_6A.04_MSS_02B For All DAACs. Contains fixes for NCR31531(Sev2) - Database dump script may ignore hard DBCC faults and NCR31788(Sev2) - Database dump script incorrectly reports successful dump						
9. Originator Signature/Date Cherry Kenney /s/ 10/16/01		10. Class II	11. Type: CCR	12. Need Date: 16OCT01		
13. Office Manager Signature/Date Timothy W. Ortiz /s/ 10/16/01		14. Category of Change: Initial ECS Baseline Doc.		15. Priority: (If "Emergency" fill in Block 27). Emergency		
16. Documentation/Drawings Impacted:		17. Schedule Impact:		18. CI(s) Affected: MSS		
19. Release Affected by this Change: 6A		20. Date due to Customer: 16OCT01		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input checked="" type="checkbox"/> Other: 31531, 31788						
23. Problem: (use additional Sheets if necessary) 31531- Database dump script may ignore hard DBCC faults 31788 - Database dump script incorrectly reports successful dump						
24. Proposed Solution: (use additional sheets if necessary) Deliver PATCH_6A.04_MSS_02B PATCH_6A.04_MSS_02B DOES NOT supersede PATCH_6A.04_MSS_01. Tarfile was created on 10/10/01						
25. Alternate Solution: (use additional sheets if necessary) Wait until next full system delivery						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) DAAC will continue to experience problems.						
27. Justification for Emergency (If Block 15 is "Emergency"): Fix needed to provide stability fixes to field.						
28. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input checked="" type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date): Randall J. Miller /s/ 10/16/01		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
33. M&O CCB Chair (Sign/Date): G. G. Gavigan, Jr. /s/ 10/16/01		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
34. ECS CCB Chair (Sign/Date):		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS				

ADDITIONAL SHEET

CCR #: **Rev:** **Originator:** C.Kenney

Telephone: X4177 **Office:** 3204D

Title of Change: PATCH_6A.04_MSS_02B For All DAACs. Contains fixes for NCR31531(Sev2) - Database dump script may ignore hard DBCC faults and NCR31788(Sev2) - Database dump script incorrectly reports successful dump

ACTIONS:

ClearCase

Please create SUN and IRIX tarfile for the following package:

.EcDbDDM.pkg

Please name tarfile Patch_6A.04_MSS.02B.

IMPORTANT INSTRUCTIONS FOR DBA ONLY !
ALL DAACs PLEASE HAVE DBA READ INSTALL INSTRUCTIONS BEFORE PROCEEDING!

DAAC INSTALL INSTRUCTIONS

1. Get TAR Files from CM distribution.
2. UNTAR the files and copy to the staging area using the Setup.ksh file. Be sure to select "Y" when prompted for "Update ECS Assist Common Files" to get the latest version of ECS ASSIST. THIS MUST BE RUN AS ROOT.
3. On a SUN host, use E.A.S.I. to perform automated installation of all packages listed above as follows:
 - a. Select the Mode to be installed
 - b. Enter the location of the staged files
 - c. Select CUSTOM and Click Next
 - d. Select the "Subsystem" entry in the "Sort By" box.
 - e. Click on the MSS icon to highlight it.
 - f. Click on the EcMsDbDdm icon to highlight it.
 - g. Select the package listed in step 1. Click Next,
 - h. Select Install as the Installation Phase and Click Next
 - i. Select STAGE as the Source File Location. Click Next
 - j. Review the packages and hosts as displayed to ensure that they are going to be installed appropriately. Click Next.
 - k. Click COMM and ensure all hosts displayed turn green, signaling that they are communicating with E.A.S.I.
 - l. Click INSTALL and monitor each host. Ensure each host icon turns green signaling a successful installation.

IMPORTANT INSTRUCTIONS FOR DBA ONLY !

Many of the files in the package are customized by the DAACs. Therefore

to preserve what the DAACs want to keep and to make changes to the new files DBA must follow the following steps:

1. After the DAACs install the .EcDbDDM.pkg they should copy back their old versions of all the listed files except the two changed ones., EcCoDbSyb_DumpDb
EcCoDbSyb_DumpTran

2. Then by using the ReadMe file in the directory and diff-ing the old file and new file, they should only change the EcCoDbSyb_DumpDb and EcCoDbSyb_DumpTran files for their DAAC.

3. Also this package should be installed in OPS mode only.

Listed below are the files that the DAAC would customize:

EcCoDbSyb_CriticalMessages
EcCoDbSyb_DbStat
EcCoDbSyb_DboMail
EcCoDbSyb_DumDataDirs
EcCoDbSyb_DumpDb
EcCoDbSyb_DumpTran
EcCoDbSyb_DumpTranDirs
EcCoDbSyb_SedFile
EcCoDbSyb_VarNamesFile

Listed below are the files that changed :

EcCoDbSyb_DumpDb
EcCoDbSyb_DumpTran

4. Restore the customized DB Dump scripts other than the two that were changed.

5. Customize the two modified dump scripts

Summary of NCRs;

ECSed31788 ECSed31531

Changes in the files listed below fix the problems:

- (1) NCR 31531: dump scripts ignore hard faults when soft fault exists
- (2) NCR 31788: dump scripts incorrectly report success when logs filesystem is full

Files in Task:

/ecs/formal/COMMON/DDM/EcCoDbSyb_DumpDb@@/main/relb/wyang_ncr31788_6A04/1

/ecs/formal/COMMON/DDM/EcCoDbSyb_DumpTran@@/main/relb/wyang_ncr31788_6A04/1

. Installation/Configuration Impacts:

Does this Merge Form affect any of these?

COTS configuration (Netscape, HP OpenView, etc.)?: No

mkcfigs, .cfgparms, or .envvars?: No

ESDT descriptors?: No

Valid?: No

Shell scripts (C or Korn)?: Yes

.dbparms?: No

Gui configuration (help, x-resource file, etc.)?: No

Other config files?: No

DLL files?: No

Database data (initial or patch script should be involved)?: No

Database objects (initial or patch script should be involved)?: No

.iu or pkg files?: No

Give an explanation for each item in Installation/Configuration Impacts for which you selected Yes:

ECS Assist installation on .EcDbDDM.pkg

Test Instructions for Checkout Lab:

Login as sybase and run the dump scripts, or observe the results reported via e-mail by the sybase cron jobs. Note the followings:

- (1) It may not find hard fault at all (for NCR 31531)
- (2) For NCR 31788, the logs filesystem, /usr/ecs/OPS/COTS/sybase/sybase_dumps/dumps/logs, needs to be close to

100% full to observe the case

CM01AJA00